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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/622,199

07/18/2003

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06/27/2007

EXAMINER

CRUZ, IRIANA

ART UNIT

PAPER NUMBER

2609

MAIL DATE

DELIVERY MODE

06/27/2007

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

**Office Action Summary**

Application No.

10/622,199

Applicant(s)

EDEN ET AL.

Examiner

Iriana Cruz

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 7/18/2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 10 is/are allowed.
- 6) ☒ Claim(s) 1,2,8,9,11,12,19 and 20 is/are rejected.
- 7) ☐ Claim(s) 3-7, 13-18 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 18 July 2003 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

## **DETAILED ACTION**

### ***Drawings***

1. The drawings are objected to as failing to comply with 37 CFR 1.84(p)(4) because reference character "104" has been used to designate both interpreter and PDL in FIG.1. Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either "Replacement Sheet" or "New Sheet" pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

### ***Claim Rejections - 35 USC § 102***

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1-2, 8-9, 11-12 and 19-20 are rejected under 35 U.S.C. 102(b) as being anticipated by Hull et al. (US Patent Number 5,978,477).

As pertaining to claims 1 and 11, Hull discloses a printer device control method responsive to a document's print content, the method comprising: accepting a document for printer processing (Col.2, pp.19. Image processing unit that processes the image data.); classifying print content in the document (Col.2, pp.20-23. The data content of the image is processed and classified, in order to be retrieved.); and, executing a program in response to the print content classification (Col.1, pp.51-54 and Col.2, pp.19-23. Depending on the data that is found by the Image processing unit, corrections to image errors can be done and depending on the data processed, the printer responds.).

As pertaining to claims 2 and 12, Hull discloses the method of claim 1 further comprising: establishing a library of vocabulary terms (Index information); and, wherein classifying print content in the document includes matching print content in the document to vocabulary terms in the library (Col. 7, pp.59-61, Vocabulary terms in a library could be the user name found on the print document content to look in the user id library).

As pertaining to claims 8 and 19, Hull teaches the method of claim 1 further comprising: accepting a bitmap document; performing optical character recognition (OCR) of the bitmap document; generating text strings; and, wherein accepting a document for printer processing includes accepting the generated text strings (Col. 7, pp.54-60).

As pertaining to claims 9 and 20, Hull discloses the method of claim 1 further comprising: processing the document using a process selected from the

group including scanning, faxing, archiving, transmitting, and paper copy reproduction (Col. 2, pp.57-67, Col.6, pp.58-64).

***Allowable Subject Matter***

4. Claims 3-7 and 13-18 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter: none of the references, either singularly or in combination, teach or fairly suggest a library of executable programs (with an interface connected to a classifier interface) mapping between a library of vocabulary terms and a library of executable programs wherein executing a program depends on the response to the mapping between matched vocabulary terms and executable programs as part of a print device control method was made.

In regards to claims 3 and 13 Hull, which claims 4-7 and 14-18 are dependent from, US 5,978,477 teaches a library of vocabulary terms (including for example key words, symbols and word patterns) to perform a full text search on the print document. However, Hull fails to teach a library of executable programs to map with the library of vocabulary terms in order to execute a program depending on what is found on the document to be printed.

5. Claim 10 is allowed.

6. The following is a statement of reasons for the indication of allowable subject matter: none of the references, either singularly or in combination, teach or fairly suggest a printer device control method responsive to a document's print

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content, the method comprising: establishing a library of vocabulary terms; establishing a library of executable programs; mapping between the library of vocabulary terms and the library of executable programs; accepting a document for printer processing; classifying print content in the document; and, selecting an executable file in response to mapping between matched vocabulary terms and executable programs.

The reference Hull, US 5,978,477 teaches a control method for classifying print documents and establishes a library of vocabulary terms (including for example key words, symbols and word patterns) to perform a full text search on the print document. Hull also discloses blocking the document to be printed and from being accessed by none authorized users depending on print document. However, Hull fails to teach a library of executable programs to map with the library of vocabulary terms in order to execute a program depending on what is found on the document to be printed.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Iriana Cruz whose telephone number is (571) 270-1448. The examiner can normally be reached on Monday-friday 7:30am to 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Alexander Eisen can be reached on (571) 270-1455. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Alexander Eisen  
SPE  
Art Unit 2609

06/21/2007